

Title (en)
PROCESS FOR THE PREPARATION OF METHACRYLIC ACID ESTERS

Publication
EP 0010953 B1 19820421 (EN)

Application
EP 79302379 A 19791030

Priority
JP 13385878 A 19781031

Abstract (en)
[origin: EP0010953A1] A process for preparing a methacrylic acid ester by reacting methacrylic acid with a lower aliphatic alcohol in the liquid phase using a solid acid catalyst at a molar ratio of alcohol to methacrylic acid to 1.2-3.0 and a reaction temperature of 70°-100°C is improved by 1) extracting the unreacted alcohol from the reaction mixture with an aqueous solvent at a temperature of 25° to 70°C, 2) removing the low boiling substances from the extraction residual mixture by distillation, whereby an organic residue is generated containing methacrylic acid ester and unreacted methacrylic acid, and 3) separating the unreacted methacrylic acid and the methacrylic acid ester by distillation. The preferred alcohol is methyl, ethyl or isopropyl and the preferred catalyst is a sulfonic acid type cation exchange resin.

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IPC 8 full level
C07C 67/08 (2006.01); **C07C 69/54** (2006.01)

CPC (source: EP US)
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